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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TECHNICAL CENTER 1600/2900

In re PATENT APPLICATION OF

Karen B. CHAPMAN

Group Art Unit: 1636

Application No. 09/736,268

Examiner: Katharine F. Davis

Filed: December 15, 2000

Title: CYTOPLASMIC TRANSFER TO DE-DIFFERENTIATE  
RECIPIENT CELLS

\* \* \* \* \*

AMENDMENT AND REPLY

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

This reply is responsive to the Final Office Action dated August 13, 2002.

Kindly enter the following amendments and remarks prior to further examination:

IN THE CLAIMS:

Please cancel claims 17-25 and 33-35, amend claims 1, 5-11, 26, and 32, and  
add new claims 36-53 as shown below:

1. (Amended) A method for reprogramming and/or altering the life-span  
of a differentiated cell comprising introducing into a differentiated recipient cell  
cytoplasm from another less differentiated or undifferentiated donor cell to effect de-  
differentiation of the recipient cell;

wherein said introduction of cytoplasm does not result in production of an  
embryo.